

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/737,251A  
Source: IFW16  
Date Processed by STIC: 7/7/06

***ENTERED***



IFW16

RAW SEQUENCE LISTING DATE: 07/07/2006  
PATENT APPLICATION: US/10/737,251A TIME: 17:06:00

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF4\07072006\J737251A.raw

4 <110> APPLICANT: Pal Maliga  
5 Jon Y. Suzuki  
7 <120> TITLE OF INVENTION: Plastid rRNA Operon PromoterElements for  
8 Construction of Chimeric Promoters for Transgene Expression  
11 <130> FILE REFERENCE: 1594 RUT 03-083US  
13 <140> CURRENT APPLICATION NUMBER: 10/737,251A  
14 <141> CURRENT FILING DATE: 2003-12-15  
16 <150> PRIOR APPLICATION NUMBER: 60/433,302  
17 <151> PRIOR FILING DATE: 2002-12-13  
19 <160> NUMBER OF SEQ ID NOS: 52  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
23 <210> SEQ ID NO: 1 60  
24 <211> LENGTH: 179 120  
25 <212> TYPE: DNA 179  
26 <213> ORGANISM: Nicotiana tabacum  
28 <400> SEQUENCE: 1  
29 ctcagcgta gagtgcacc ttgacgtgg ggaagtcatc agttcgagcc tgattatccc  
30 taagccaaat gtgagttttt ctagttggat ttgctccccc gccgtcggtc aatgagaatg  
31 gataagaggc tcgtgggatt gacgtgaggg ggcaggatg gctatatttc tggagcga  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 156  
35 <212> TYPE: DNA  
36 <213> ORGANISM: Escherichia Coli  
38 <400> SEQUENCE: 2  
39 gctgaacaat tattgccccgt tttacagcgt tacggcttcg aaacgctcga aaaactggca 60  
40 gttttaggct gatttgggtt aatgttgcgc ggtcaaaaaa ttatttaaa tttccttgg 120  
41 tcaggccgga ataactccct ataatgcgc accact 156  
43 <210> SEQ ID NO: 3  
44 <211> LENGTH: 112  
45 <212> TYPE: DNA  
46 <213> ORGANISM: Artificial Sequence  
48 <220> FEATURE:  
49 <223> OTHER INFORMATION: Prrn promoter derivative  
52 <400> SEQUENCE: 3  
53 gagctcatga gaatggataa gaggctcggt ggattgacgt gagggggcag ggatggctat 60  
54 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc 112  
56 <210> SEQ ID NO: 4  
57 <211> LENGTH: 112  
58 <212> TYPE: DNA  
59 <213> ORGANISM: Artificial Sequence  
61 <220> FEATURE:  
62 <223> OTHER INFORMATION: Prrn promoter derivative  
64 <400> SEQUENCE: 4

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65  gagctctaca gaatggataa gaggctcggt ggattgacgt gagggggcag ggatggctat      60
66  atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc                112
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 112
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Prrn promoter derivative
76 <400> SEQUENCE: 5
77  gagctcatgt ctatggataa gaggctcggt ggattgacgt gagggggcag ggatggctat      60
78  atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc                112
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 112
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Prrn promoter derivative
88 <400> SEQUENCE: 6
89  gagctcatga gatacgataa gaggctcggt ggattgacgt gagggggcag ggatggctat      60
90  atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc                112
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 112
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Prrn promoter derivative
100 <400> SEQUENCE: 7
101  gagctcatga gaatgctaaa gaggctcggt ggattgacgt gagggggcag ggatggctat      60
102  atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc                112
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 112
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Prrn promoter derivative
112 <400> SEQUENCE: 8
113  gagctcatga gaatggattt caggctcggt ggattgacgt gagggggcag ggatggctat      60
114  atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc                112
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 112
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Prrn promoter derivative
124 <400> SEQUENCE: 9
125  gagctcatga gaatggataa gtccctcggt ggattgacgt gagggggcag ggatggctat      60
126  atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc                112
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 112

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133 <220> FEATURE:
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138 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 112
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Prrn promoter derivative
148 <400> SEQUENCE: 11
149 gagctcatga gaatggataa gaggctccac ggattgacgt gagggggcag ggatggctat      60
150 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 112
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Prrn promoter derivative
160 <400> SEQUENCE: 12
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162 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 112
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Prrn promoter derivative
172 <400> SEQUENCE: 13
173 gagctcatga gaatggataa gaggctcggt ggaaacacgt gagggggcag ggatggctat      60
174 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 112
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Prrn promoter derivative
184 <400> SEQUENCE: 14
185 gagctcatga gaatggataa gaggctcggt ggattgtgct gagggggcag ggatggctat      60
186 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 112
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Prrn promoter derivative

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196 <400> SEQUENCE: 15
197 gagctcatga gaatggataa gaggctcggt ggattgacga ctggggcag ggatggctat      60
198 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 112
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Prrn promoter derivative
208 <400> SEQUENCE: 16
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210 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 112
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Prrn promoter derivative
220 <400> SEQUENCE: 17
221 gagctcatga gaatggataa gaggctcggt ggattgacgt gagggccgag ggatggctat      60
222 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 112
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Prrn promoter derivative
232 <400> SEQUENCE: 18
233 gagctcatga gaatggataa gaggctcggt ggattgacgt gagggggcgt cgatggctat      60
234 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
236 <210> SEQ ID NO: 19
237 <211> LENGTH: 112
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Prrn promoter derivative
244 <400> SEQUENCE: 19
245 gagctcatga gaatggataa gaggctcggt ggattgacgt gagggggcag gctaggctat      60
246 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
248 <210> SEQ ID NO: 20
249 <211> LENGTH: 112
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Prrn promoter derivative
256 <400> SEQUENCE: 20
257 gagctcatga gaatggataa gaggctcggt ggattgacgt gagggggcag ggatccgtat      60
258 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
260 <210> SEQ ID NO: 21

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261 <211> LENGTH: 112
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Prrn promoter derivative
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270 atttctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
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273 <211> LENGTH: 112
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Prrn promoter derivative
280 <400> SEQUENCE: 22
281 gagctcatga gaatggataa gaggctcgtg ggattgacgt gagggggcag ggatggctat      60
282 taatctggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 112
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Prrn promoter derivative
292 <400> SEQUENCE: 23
293 gagctcatga gaatggataa gaggctcgtg ggattgacgt gagggggcag ggatggctat      60
294 attagagggga gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
296 <210> SEQ ID NO: 24
297 <211> LENGTH: 112
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Prrn promoter derivative
304 <400> SEQUENCE: 24
305 gagctcatga gaatggataa gaggctcgtg ggattgacgt gagggggcag ggatggctat      60
306 atttctccca gcgaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
308 <210> SEQ ID NO: 25
309 <211> LENGTH: 112
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Prrn promoter derivative
316 <400> SEQUENCE: 25
317 gagctcatga gaatggataa gaggctcgtg ggattgacgt gagggggcag ggatggctat      60
318 atttctgggt cggaactccg ggcgaatatg aagcgcattgg atacaagaat tc      112
320 <210> SEQ ID NO: 26
321 <211> LENGTH: 112
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:

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**VERIFICATION SUMMARY**  
**PATENT APPLICATION: US/10/737,251A**

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